

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

92.9
03Wa
8.2



WATER SUPPLY OUTLOOK FOR UTAH

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah State University, U.S. National
Park Service, U.S. Geological Survey, and other Federal, State,
and private organizations.

AS OF
OCT. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



COVER PHOTO NUMBER ORC-286-4

WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.



Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

HUBERT C. LAMBERT

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES



Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK

SUMMARY

as of

OCTOBER 1, 1973

Utah's water supply for 1973 varied from near average on the Logan River to excellent on southern Utah streams.

Delayed snow melt and good precipitation in June and July resulted in most streams flowing more during the April-July period than forecasts indicated last May 1st. Streams in southern Utah such as East Fork Sevier and Coal Creek that were forecast to flow 390% and 238% of average had measured flows that were about 894% and 574% of average according to the U. S. Geological Survey provisional records.

Fall soil moisture is better than average in most areas except southern Utah.

Reservoir storage is excellent. Fourteen reservoirs average 155% of the 15-year average for October 1, and are 14% better than a year ago and 76% of useable capacity.

The following table shows a comparison of streamflow forecasts made last May 1 to the provisional flows measured by the U. S. Geological Survey and Bureau of Reclamation.

<u>Station</u>	<u>Forecast Period</u>	<u>May 1 Forecast (1000 A.F.)</u>	<u>Measured Flow for the period (1000 A.F.)</u>
Bear at Utah-Wyo. Line	May-July	115	100
Bear nr Woodruff	May-July	101	125
Bear nr Randolph	May-July	62	99
Smiths Fork nr Border	April-Sept	122	88
Thomas Fork nr Wyo-Ida.Line	Apr-Sept	37	30
Logan River nr Logan	May-July	90	80
Little Bear nr Paradise	May-June	30	30
Pineview Res. Inflow	May-June	98	
Lost Creek Res. Inflow	May-June	13	12

WATER SUPPLY OUTLOOK (continued)

<u>Station</u>	<u>Forecast Period</u>	<u>May 1 Forecast (1000 A.F.)</u>	<u>Measured Flow for the period (1000 A.F.)</u>
East Canyon Res. Inflow	May-June	16	22
Rockport Inflow	May-June	110	90
Scofield Inflow	May-July	40	44
Sevier at Hatch	May-July	60	71
East Fk. Sevier nr Kingston	May-July	25	57
Beaver River near Beaver	May-July	25	37
Coal Crk. nr Cedar City	May-July	26	63
Virgin River nr Virgin	May-June	65	100*

* - Estimated from Virgin nr Hurricane

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
	<u>GREAT BASIN</u>				
<u>Bear River</u>	Bear Lake	1421.0	1153.1	1225.8	889.2
	Woodruff Narrows	26.5	16.9	9.3	- -
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	11.6	2.4	3.5
<u>Little Bear</u>	Hyrum	15.3	10.5	13.3	3.8
	Porcupine	11.3	3.0	1.5	- -
<u>Ugden</u>	Causey	6.9	2.0	1.3	- -
	Pineview	110.1	66.2	56.5	12.7
<u>Provo</u>	Deer Creek	149.7	103.9	80.1	88.9
<u>Sevier River</u>	Gunnison	18.2	4.1	.6	- -
	Otter Creek	52.5		10.2	10.1
	Piute	71.8	20.8		6.5
	Sevier Bridge	236.0	123.4	65.9	41.0
<u>Spanish Fork</u>	Strawberry	270.0	200.1	167.4	123.0
<u>Utah Lake</u>	Utah Lake	883.9	740.3	554.6	440.2
<u>Weber</u>	East Canyon	48.1	32.5	33.9	9.5
	Echo	73.9	41.0	29.0	15.8
	Lost Creek	20.0	12.6	13.6	- -
	Rockport	60.9	59.2	43.8	19.6
	Willard Bay	193.3	166.0	159.0	- -
	<u>COLORADO RIVER DRAINAGE</u>				
<u>Ashley Creek</u>	Steinaker	33.3	20.7	18.4	- -
<u>Colorado</u>	Blue Mesa	829.5	715.6	511.0	- -
	Lake Powell	25002.0	17284.0	12488.0	- -
<u>Green</u>	Flaming Gorge	3749.0	3180.0	3465.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	17.7	4.6	7.2
<u>Price River</u>	Scofield	65.8	42.2	19.5	17.7
<u>San Juan</u>	Navajo	1696.0	1393.1	898.1	- -
<u>San Rafael</u>	Huntington North	3.9	4.0	.9	- -
	Joe's Valley	54.6	37.4	31.6	- -
	Mill Site	16.7	6.3	2.3	- -
<u>Strawberry</u>	Starvation	165.3	139.6	136.8	- -
<u>Uintah</u>	Bottle Hollow	11.3	10.7	11.0	- -

UTAH PRECIPITATION DATA

1973 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
BUG LAKE	12/27 9.16	1/31	3.37	2/25	1.77	3/28	3.51	4/27	1.49
BURTS-MILLER	12/21 6.40								
CINNAMON CREEK	12/27 8.62	1/31	2.56	2/25	2.56	3/23	5.28	4/25	3.57
CLARKSTON MTN	12/27 8.99	1/31	4.39	2/25	3.20	3/28	2.40	4/27	2.36
CURTIS CREEK	12/27 11.44	1/31	3.21	2/25	2.32	3/28	3.79	4/27	3.77
DEER SPRINGS	12/27 12.33	1/31	3.21	2/25	2.39	3/28	4.23	4/27	5.13
FRANKLIN BASIN	12/27 12.35	1/31	3.72	2/25	2.93	3/28	5.09	4/27	5.00
GARDEN CITY SMT	12/26 7.35	1/26	1.86	2/22	2.00	3/26	3.65	4/24	3.15
GEORGE PEAK	12/27 11.21	1/31	2.83	2/25	2.35	3/28	6.24	4/27	1.43
GOLD HILL	12/27 12.81	1/31	3.45	2/25	2.41	3/28	2.38	4/27	4.12
HARDWARE RANCH	12/27 6.75	1/31	1.69	2/25	1.34	3/28	1.58		
HAYDEN FORK	12/21 11.63					3/23	8.75	4/25	4.55
HELL CANYON	12/27 14.02	1/31	5.75	2/25	4.46	3/28	6.66		
HERD HOLLOW	12/27 8.18	1/31	2.60	2/25	1.99	3/28	3.71	4/27	2.89
KLONDIKE NARR	12/27 14.27	1/31	6.58	2/25	6.50	3/28	7.60		
LILY LAKE	12/27 9.00	1/31	2.83	2/25	1.19	3/28	0.71		
LITTLE BEAR UP		1/31	17.66	2/25	3.98	3/28	7.08	4/27	4.88
MONTE CRISTO	12/28 10.88	1/30	3.92	2/25	3.06	3/29	4.82	4/27	3.50
PARADISE CYN	12/27 11.59	1/31	4.51	2/25	3.35	3/28	5.04		
SALT RIVER SMT	12/29 8.15	1/30	2.40	2/27	2.35	3/29	3.60	4/26	3.10
STILLWATER CMP	12/21 7.90					3/23	5.51	4/25	3.70
TONY GROVE RS	12/27 8.02	1/31	1.81	2/25	1.97	3/28	3.70	4/27	1.95
TONY GROVE LK	12/27 14.38	1/31	3.76	2/25	3.43	3/28	5.25	4/27	5.04
TRIGARA SPRING	12/27 10.60	1/31	2.85	2/25	2.25	3/28	4.03		
WILLOW FLAT	12/29 10.25	1/30	3.56	2/27	2.70	3/29	1.50	5/01	7.20

WEBER-GODEN RIVER BASINS

BEN LOMOND LOW	12/27 11.35	1/29	6.70	2/27	6.57	3/28	8.32	4/25	3.52	5/30	2.75	6/28	4.30	9/26	6.80	50.31
BEN LOMOND TR	12/27 15.10	1/29	6.81	2/27	6.34	3/28	8.80	4/25	3.64	5/30	2.82	6/28	4.32	9/26	7.20	55.03
BEN LOMOND PK	12/27 20.16	1/31	12.03	2/25	9.15	3/28	5.27							9/23		84.07
CAUSEY DAM	12/28 7.74	1/30	1.95	2/26	2.38	3/30	3.30	4/26	1.99	5/30	1.65	6/28	1.47	9/26	4.85	25.33
CHALK CREEK 1				2/25	2.55	3/28	2.68			5/25	2.73					
CHALK CREEK 2				2/25	1.38	3/28	2.19	4/27	2.65							
CHALK CREEK 3	12/27 9.83	1/29	1.68	2/23	1.16	3/26	1.94	4/26	3.56	5/29	3.05	6/28	0.71	9/28	8.24	30.17
DRY BREAD POND	12/28 11.81	1/30	3.65	2/25	2.85	3/30	4.88	4/27	3.29	5/30	2.09	6/28	1.55	9/26	5.95	36.07
FRANCIS CANYON	12/27 8.40	1/31	2.82	2/25	2.08	3/28	2.94	4/27	1.81	5/25	2.00			8/08		23.44

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE (EXCEPT AS NOTED *)
 *: GAGE MOLESTED, DATA FOR THIS PERIOD LOST

U T A H P R E C I P I T A T I O N D A T A

1973 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
GUILDERS PEAK	12/27 10.93	1/31 3.84	2/25 2.82	3/28 3.48	4/27 3.33	5/25 4.19		8/06	35.05
HARDSCRABBLE	12/27 13.56	1/31 5.74	2/25 4.33	3/28 4.45				1/03	44.78
HOODOO KNOLL	12/27 11.93	1/31 4.82	2/25 3.81	3/28 3.37	4/27 3.38	5/25 1.95		8/07	37.67
HORSE RIDGE	12/29 12.65	1/31 2.52	2/28 2.76	3/28 3.40	4/27 5.01	6/01 2.40	6/29 1.50	0/12 9.85	40.09
LOST CREEK	12/29 7.64	1/31 1.75	2/28 1.65	4/02 2.80				0/12 8.58	22.42
MAGPIE	12/27 11.39	1/31 3.10	2/25 3.16	3/28 4.15	4/27 2.74	6/01 3.38		8/06	34.03
MIDDLE FK OGON	12/27 15.46	1/31 3.25	2/25 5.14	3/28 6.49	4/27 3.54	6/01 2.32		7/26	39.89
PARLEY CYN SMT	12/30 13.27	1/30 2.96	2/27 3.03	3/29 4.55	4/27 4.09	5/29 4.07	6/29 1.40	0/12 8.06	41.43
PORCUPINE	12/27 10.38	1/31 3.26	2/25 1.94	3/28 2.44	4/27 3.26			0/15	31.61
REDDON MINE UP	12/28 15.97		2/27 7.50		4/26 5.38	5/30 3.15	6/27 1.60	9/28 9.00	42.60
SAGEBRUSH FLAT	12/28 8.06	1/30 2.64	2/26 2.42	3/30 3.50	4/26 1.92	5/30 1.76	6/28 1.63	9/26 5.85	27.78
SARGEANT LAKES	12/27 12.54	1/31 3.87	2/25 2.16	3/28 4.12	4/27 4.54	5/25 2.15		0/15	40.70
SHINGL MIL FLT	12/27 16.14							1/04	45.08
SM MOREHOUSE	12/26 11.90	1/30 2.32	2/26 2.15	3/28 2.65	4/27 3.65	5/29 3.02	6/28 0.97	9/26 10.30	36.96

U T A H L A K E - J O R D A N R I V E R B A S I N

CLEAR CR RDG	12/27 11.25	1/29 2.40	2/26 2.48	3/28 2.61	4/25 3.67	5/25 1.50	7/02 2.20	1/03 3.50	29.61
DANIEL-STR SMT	12/26 12.32	1/30 4.05	2/25 3.99	3/27 2.29	4/27 3.61	5/31 1.88	6/25 1.40	9/26 8.10	37.64
DESERET PEAK	12/27 9.74	1/31 6.82	2/25 6.21	3/28 7.55	4/27 5.21	5/25 2.28			
DUTCHMAN RS	10/2 13.15	1/31 3.70	2/28 5.95	3/30 4.10	4/27 3.75				
EAST PORTAL	12/29 10.50	1/30 2.54	2/27 3.58	3/28 2.46	4/26 3.17	5/31 2.17	7/01 1.31	1/01 4.81	30.54
FARMINGTON UP	12/30 16.60	1/31 6.30	2/28 6.00	3/30 7.80	4/30 5.40	5/30 3.30	7/01 2.50	1/05 3.40	51.30
HOBBLE CR SMT	12/29 13.55	1/30 3.30	2/27 4.08	3/29 4.05	4/26 2.50	5/29 1.55	7/02 1.25	1/02 5.45	35.73
LAKE CREEK	11/01 7.98						6/25 27.08	9/26 7.37	42.43
LAMBS CANYON		*	*	3/29 6.61	4/27 3.48	5/29 3.87	*	0/12 8.32	22.28
PAYSON RS	12/26 14.20	1/26 4.75	2/23 3.25	3/27 3.15	4/25 4.65	5/23 1.35	7/02 2.60	1/02 3.65	37.60
ROCKY BASIN	11/4 9.50		3/07 21.99	3/30 6.72	5/02 6.47			9/29 9.25	53.93
SOAPSTONE RS	12/29 12.28	1/31 1.40	2/28 2.03	3/29 2.03	4/30 3.50	5/30 1.55	6/27 1.60	9/27 8.99	33.38
TRIAL LAKE	12/29 15.84	1/31 3.07	2/28 4.33	3/29 4.15	4/30 3.96	5/30 2.42	6/27 1.87	9/27 11.22	46.86
VERNON CREEK	10/3 10.72		3/02 9.37	4/02 5.04	4/30 2.40	5/31 1.15	7/05 0.70	9/28 3.16	32.54

D U C H E S N E - G R E E N R I V E R B A S I N

ASHLEY TWIN LK								9/13 48.69	48.69
ATWOOD BASIN								9/08 34.05	34.05
BLACKS FRK JCT	12/20 6.38		2/22 3.10	3/22 1.25	4/24 3.80	5/25 2.29	6/26 0.88	9/25 9.98	27.68
BROWN DUCK RDG					4/25 25.79		7/06 3.10	9/21 7.98	36.87
BUCK PASTURE							6/26 25.82	9/24 11.50	37.32
BURNT CREEK	11/29 6.67	1/24 3.81	2/22 0.82	3/26 1.88	4/30 6.20	5/29 1.60	7/02 0.82	9/24 6.66	28.46

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE(EXCEPT AS NOTED *)
 *: GAGE MOLESTED, DATA FOR THIS PERIOD LOST

UTAH PRECIPITATION DATA

1973 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
CHEPETA WTRCK								8/29 35.36	35.36
CURRENT CREEK	12/22 9.55			3/29 7.63	5/01 2.40	5/30 0.77	7/10 1.49	9/24 4.80	26.64
E FK BLACKS FK	12/20 6.90		2/22 3.28	3/22 1.52	4/24 4.10	5/25 1.72	6/26 1.41	9/25 10.30	29.23
FIVE POINT LK								8/28 37.80	37.80
GRIZZLY RIDGE	12/19 9.89	1/24 3.41	2/21 1.80	3/26 3.79	4/30 7.88	5/31 2.11	7/02 1.58	9/24 9.55	40.01
HENRYS FORK								9/20 30.67	30.67
HEWINTA GS	12/20 7.11		2/22 3.52	3/22 1.46	4/24 4.52	5/25 1.85	6/26 1.40	9/25 10.45	30.31
HICKERSON PARK			2/22 9.83	4/23 6.69	5/29 0.94	7/02 0.94	9/24 8.45	0/11 33.98	27.86
HIGHLINE TRAIL		1/31 2.81	2/25 0.93	3/28 4.49	4/20 3.74	5/30 1.13	7/05 1.95	9/28 4.68	31.55
INDIAN CAYON	12/27 11.96	1/24 1.67	2/27 2.42	3/22 4.00	4/20 6.10	5/31 21.62	7/02 1.84	9/20 8.85	38.31
JACKSON PARK	10/25 6.00						7/03 3.84	9/28 6.11	33.69
JULIUS PARK	12/20 11.90	1/26 1.74	2/23 1.87	3/20 2.13	4/20 6.10			9/07 36.37	36.37
KIDNEY LAKES								9/24 12.35	39.99
KINGS CABIN UP	12/19 9.43	2/21 3.99	3/22 3.60	4/19 5.25	5/31 3.85	7/02 1.52	8/27 41.62	9/20 7.21	41.62
LAKEFORK BASIN								9/10 55.79	30.95
LAKEFORK MTN	12/27 11.17	1/29 1.42	2/26 1.82	3/27 3.76	4/26 0.90	7/02 1.45		0/12 29.39	55.79
LIGHTNING LAKE								9/28 5.98	32.87
MCCOY PARK	12/20 10.04	1/26 1.73	2/23 1.78	3/20 2.52	4/20 6.59	5/31 2.60	7/03 1.63	9/28 8.90	37.56
MOSBY MOUNTAIN	12/20 12.00	1/26 1.96	2/23 2.34	3/20 2.21	4/20 5.45		7/03 4.70	8/16 39.37	39.37
PARADISE PARK								9/29 6.97	28.66
REYNOLDS PARK								9/11 35.70	35.70
ROCK CREEK	12/21 10.52			3/26 5.96	4/30 3.12	5/31 0.79	7/03 1.30	*/ 31.04	31.04
SHADOW LAKE								9/21 8.85	31.63
SPIRIT LAKE		1/24 14.25	2/22 1.25	3/21 3.26	4/23 8.09	5/29 2.67	7/02 1.52	9/26 8.85	40.77
STEEL CRK PARK			2/25 0.84	3/28 1.76	4/27 4.49	6/01 3.37	6/25 26.98	9/13 34.17	34.17
W FK DUCHESNE	11/01 4.94								
WINDY PARK									

P R I C E - S A N R A F A E L - F R E M O N T R I V E R B A S I N S

BLACKS FLAT UM	12/26 9.28	1/29 1.62	2/22 2.02	3/26 2.12	4/25 3.68	5/29 2.20	6/27 0.91	9/26 4.10	25.93
BUCKBOARD FLAT	12/21 26.84		2/20 6.80	3/21 6.03	4/24 3.50	5/23 2.75	6/26 3.15	1/01 4.85	53.92
BUCK FLAT	12/29 12.15	1/29 2.10	3/01 3.10	3/26 3.35	4/25 3.45	5/30 3.55	6/27 1.15	9/28 4.60	33.45
CAMP JACKSON	12/20 21.45		2/20 9.55	3/21 5.02	4/24 3.66	5/24 2.46	6/27 2.50	1/01 6.10	50.74
DILLS CAMP	10/2 10.30		3/02 4.60	3/27 2.60		5/29 5.80	6/27 0.95	9/28 4.50	28.75
FISH LAKE	12/26 8.17	1/29 1.25	2/22 1.05	3/26 1.76	4/25 2.47	5/29 2.12	6/27 0.61	9/26 4.58	22.01
GOOSEBERRY RES	12/27 12.60	1/30 4.00	2/26 3.80	3/28 3.50	4/26 3.70	5/29 2.50	7/02 2.05	9/27 3.97	36.12
LASAL MTN UP	12/22 13.88		2/21 6.35	3/22 3.96	4/25 4.15	5/25 2.95	6/26 4.15	1/01 3.35	38.79
MUD CREEK	12/27 11.89	1/29 1.57	3/01 2.98	3/27 3.76	4/30 3.99	5/29 1.78	6/28 0.93	9/28 3.70	30.60
ORANGE OLSEN	12/30 6.55	1/30 1.35	2/25 1.30	3/28 1.70	4/26 1.55	5/31 1.10	6/28 0.60	9/28 3.15	17.90
RED PINE RIDGE	12/30 14.20	1/30 2.00	2/26 2.90	3/28 3.15	4/26 4.40	5/31 3.10	6/28 1.65	9/28 3.65	35.05

NOTE: BLANK SPACES INDICATE NO READING TAKEN, NEXT READING IS CUMULATIVE(EXCEPT AS NOTED *)
 *: GAGE MOLESTED, DATA FOR THIS PERIOD LOST

UTAH PRECIPITATION DATA

1973 WATER YEAR

STATION NAME	OCT.-DEC.	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY-SEPT.	TOTAL
STUART RS OLD	12/27 9.00			3/28 5.60	4/30 2.80	5/31 1.10	6/28 1.05	1/01 3.60	23.15
WHITE RIVER 1	12/26 9.80	1/31 0.54	2/23 2.07	3/26 2.71	4/26 3.99	5/29 1.80	6/28 1.20	9/28 3.08	25.19
SEVIER - BEAVER RIVER BASINS									
BEAVER DAMS	12/26 9.74		2/23 5.82	3/27 2.70	4/25 5.55		7/02 4.20	9/26 4.50	32.51
BIG FLAT	12/21 11.44	1/26 3.75	2/23 4.95	3/27 4.70	4/24 2.72	5/30 3.44	7/03 2.34	0/11 6.11	39.45
BOX CREEK	10/26 3.37	1/30 9.83	2/23 2.27	3/28 4.36	4/26 3.37	5/29 2.65	6/27 1.10	9/26 5.34	32.29
CASTLE VALLEY	12/27 11.97		3/01 6.20	3/27 4.80	4/26 3.51	5/30 2.62	6/29 1.51	9/26 3.14	33.75
DUCK CREEK RS	12/26 15.43	1/29 3.88	2/27 4.86	3/28 8.38	4/30 0.80	5/24 1.45	6/29 2.40	9/26 2.68	39.88
FARNWORTH LAKE	12/28 12.64	1/29 4.85	2/27 2.40	4/03 6.80	4/27 4.75	5/30 3.49	6/28 4.36	9/28 4.70	43.99
KIMBERLY MINE	12/22 13.65	1/27 4.92	2/22 2.63	3/26 5.20	4/25 5.80	5/31 3.20	7/02 2.08	0/23 5.71	43.19
MAMMATH RS	12/27 12.90	1/30 3.80	2/26 3.90	3/28 3.40	4/26 3.94	5/29 2.45	7/02 2.15	9/27 3.70	36.24
MERCHANT VALLEY	12/21 9.94	1/26 3.38	2/23 3.00	3/27 4.39	4/24 3.34	5/23 2.04	7/03 3.47	0/11 4.80	34.36
MIDWAY VALLEY	12/27 9.15	1/30 4.45	2/27 5.25	3/29 9.00	4/25 1.60			9/25 8.40	37.85
MT BALDY RS	12/26 11.40		2/23 6.55	3/27 4.25	4/25 5.75		7/02 5.05	9/26 4.38	37.38
OAK CREEK	10/27 4.84	2/01 13.45			5/02 13.78	5/30 1.26	6/29 1.79	9/24 2.16	37.28
PANGUITCH LAKE	12/27 8.70		3/01 2.77	3/27 2.71	4/26 1.40	5/30 1.57	6/29 0.95	9/26 3.81	21.91
PINE CREEK	10/26 3.84	1/26 21.73	2/25 3.47	4/04 11.51	5/01 4.81	5/30 2.79		9/25 3.80	51.95
SHINGLE MILL	10/2 14.36	1/26 3.05	2/26 1.64	4/04 7.61	5/01 3.04		6/28 2.72	9/25 3.30	35.72
PICKLE KEG SPR	12/14 10.20	1/31 5.00	2/28 2.30	3/30 4.50	4/30 5.50	6/01 3.30	6/28 0.70	0/25 5.00	36.50
COKAL CREEK - VIRGIN - ESCALANTE RIVER BASINS									
KOLOB-CRYSTAL	12/18 16.70	1/30 4.90	2/28 5.60	3/30 9.70	4/30 2.60	5/30 3.10	7/05 2.60	0/27 2.90	48.10
LITTLE GRASSY		2/01 15.60	2/28 5.25	3/30 7.05	4/25 1.15	6/01 1.33		1/01 2.52	32.90
LONG FLAT		1/31 11.50	3/01 3.70	4/04 4.25	4/26 1.60	5/23 2.10		1/01 4.40	27.55
TALL POLES	12/26 13.10	1/29 2.40	2/26 1.90	3/28 6.60	4/24 5.55	5/25 2.85		9/25 6.30	40.15
WEBSTER FLAT	12/27 10.43	1/30 5.05	2/27 5.35	3/30 7.75	4/25 2.95	5/24 2.35		9/26 2.85	33.59
WIDTSOE-ESCL 3	12/28 13.76	1/24 1.92	2/28 2.00	3/29 6.60	4/27 1.30	5/30 3.00	6/29 2.16		34.50
YANKEE RES	12/26 10.48		2/26 5.07	4/03 7.75	4/24 3.00	5/25 2.30		9/25 5.90	

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. *— ROOM 5434
125 SOUTH STATE ST.
SALT LAKE CITY, UTAH 84111

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

USDA

NAT'L AGRICULTURAL EXPERIMENT
STATION
WASHINGTON, D.C. 20250

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*





